

FIG. 1

GGT GCA GAT CTT GGA TCT CGT CCC GCG AAA

T7 Promoter

TTA ATA CGA CTC ACT ATA GGG AGA CCA CAA

CGG TTT CCC TCT AGA AAT AAT TTT GTT TCA

Shine-Dalgarno

Initiation codon

CTT CAA GAA GGA GAT ATA CAT ATG ~~GGA~~ TCC
BamHI

GGG CAG GTA AGT ATC AAG GTT ACA AGA CAA


GCT TAC ATA TA TG GFP 

FIG. 2

GGT GCA GAT CTT GGA TCT CGT CCC GCG AAA

T7 Promoter

TTA ATA CGA CTC ACT ATA GGG AGA CCA CAA

CGG TTT CCC TCT AGA AAT AAT TTT GTT TCA

Shine-Dalgarno

Initiation codon

CTT CAA GAA GGA GAT ATA CAT ATG GGA TCA

PacI

BamHI

AscI

TTA ATT AAC GGA TCC GGG CGC GCC GCT GCA


GCT CAA GCT TAC ATG CG GFP 

FIG. 3

GGT GCA GAT CTT GGA TCT CGT CCC GCG AAA

T7 Promoter

TTA ATA CGA CTC ACT ATA GGG AGA CCA CAA

CGG TTT CCC TCT AGA AAT AAT TTT GTT TCA

Shine-Dalgarno

Initiation codon

CTT CAA GAA GGA GAT ATA CAT ATG GGA TCA

PacI

NarI

AscI

TTA ATT AAC GGC GCC GGG CGC GCC GCT GCA


GCT CAA GCT TAC ATG CG GFP 

FIG. 4

GORF AND STORF DISTRIBUTIONS OF PLASMODIUM FALCIPARUM (CHR II & III)

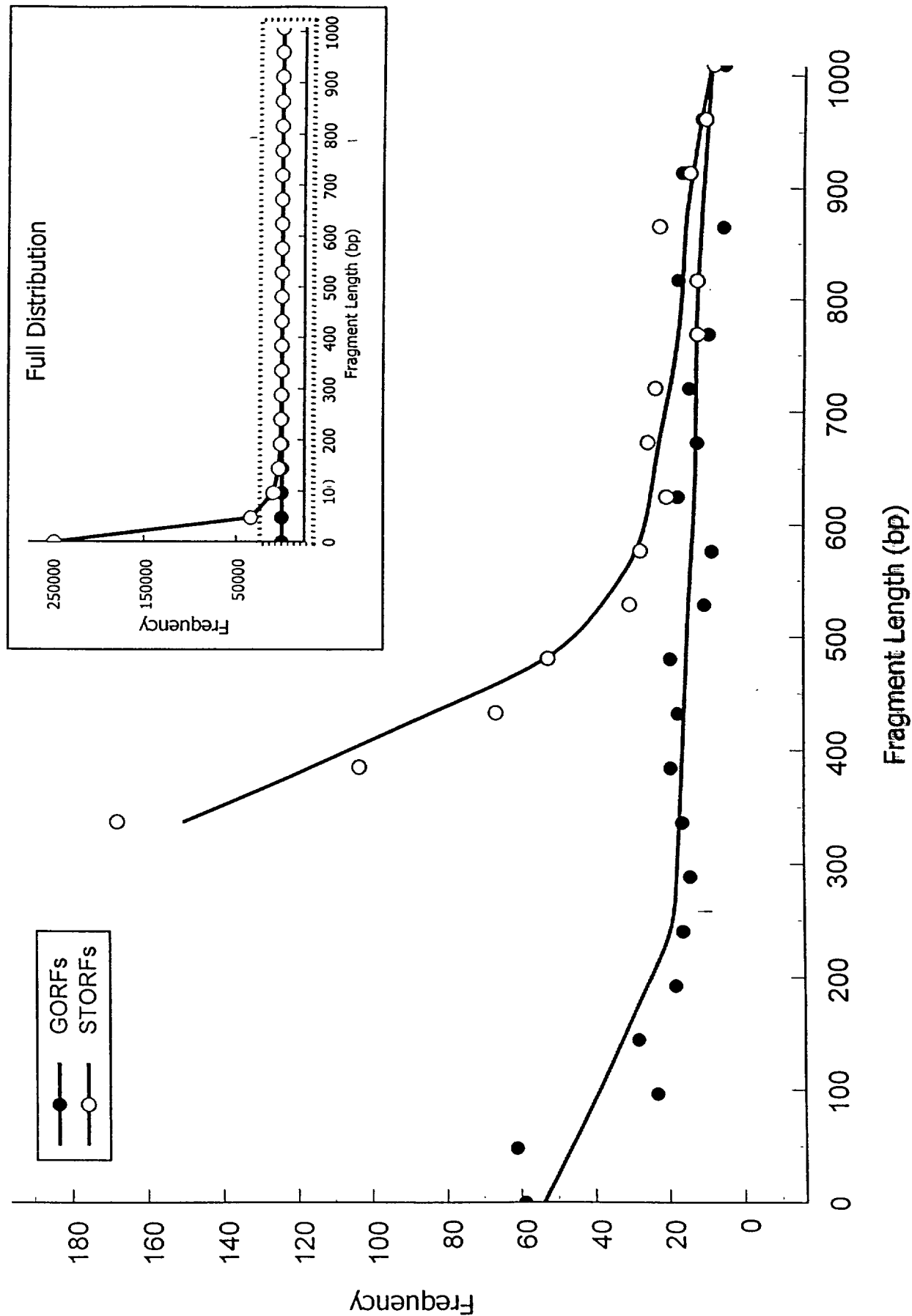


FIG. 5

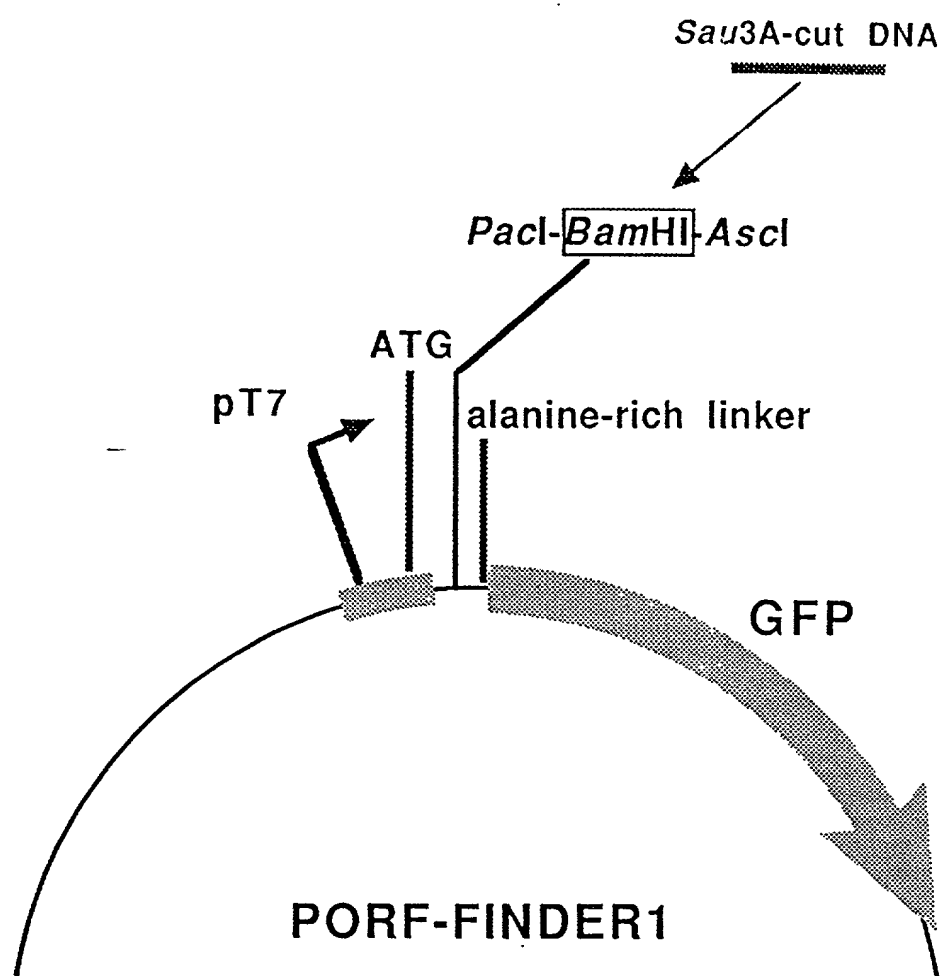


FIG. 6

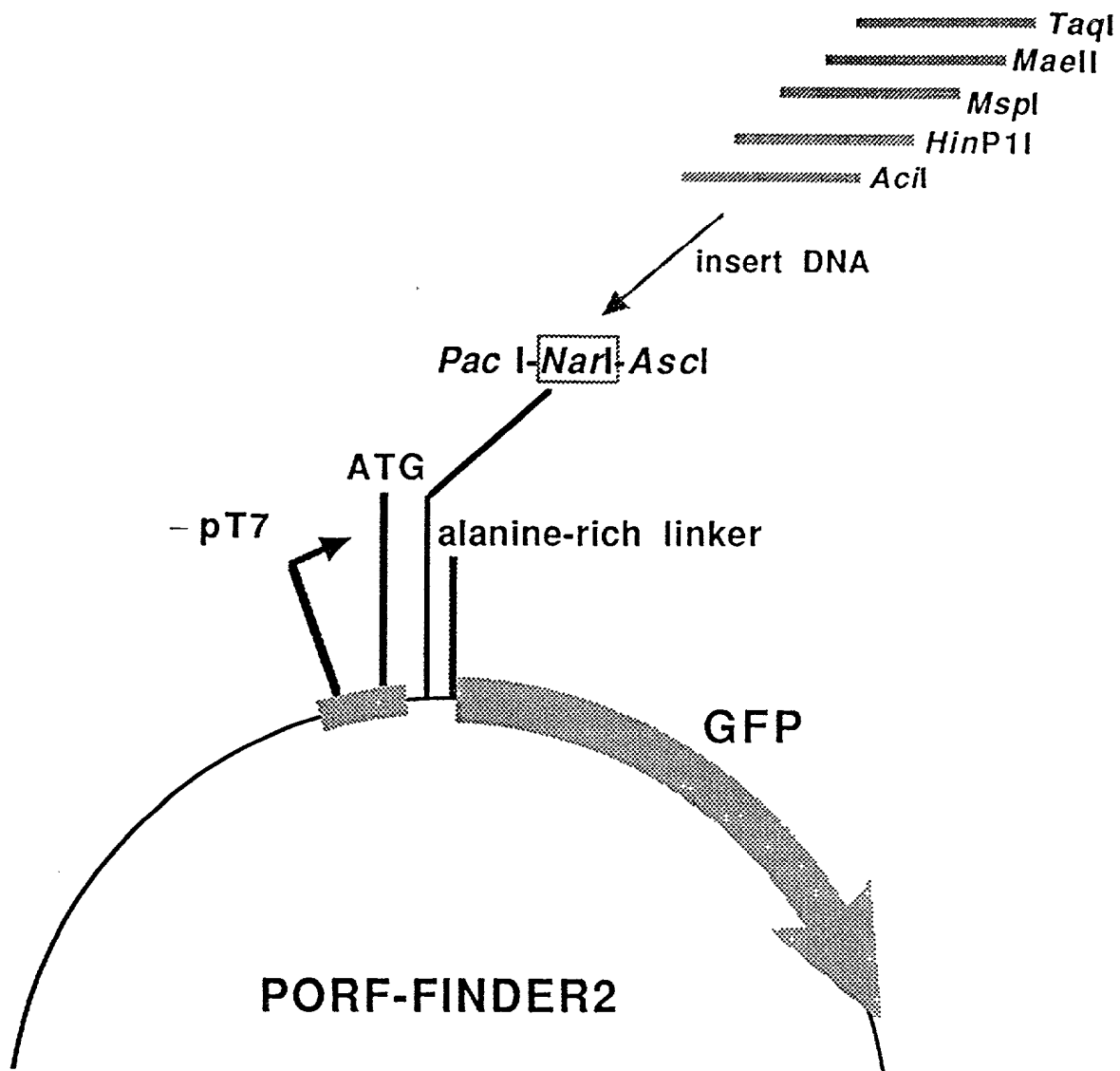


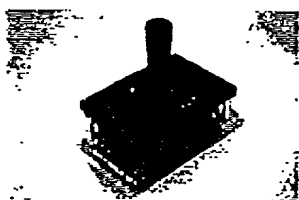
FIG. 7

Transform N. carinum **POFF-FINDER**
libraries into E. coli

Spread onto battery plates (• IPT Co)
(approx. 1000 cu per plate)



Pick fluorescent green colonies
into 96-well plates (-IPTG).

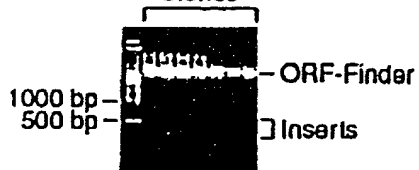


Stamp onto large round plate (-PTG)



Scrape cells and carry out DNA miniprep.
Check inserts by *AseI*/*PacI* digestion

Clones



Pool DNA from each 96-well plate into groups of 5 (480 clones per pool)

PCR amplicy pooled ORF's

Expose ORFs with Pac1 / Ase1

"Clone" ORFs as Linear Expression Elements (LEEs)

Subdivide into genetic
structural and vector

Shoot in LEE DNA
with gene gun

Insert
plasmid DNA



TOTAL

800,000 colonies

800 bioassay plates

42,000 green colonies picked
(approx. 5% of total)

426 96-well plates

426 round plates

426 DNA mini-preps

426 restriction digests

25 pools

425 mice (5 per group)

FIG. 8